

1/9

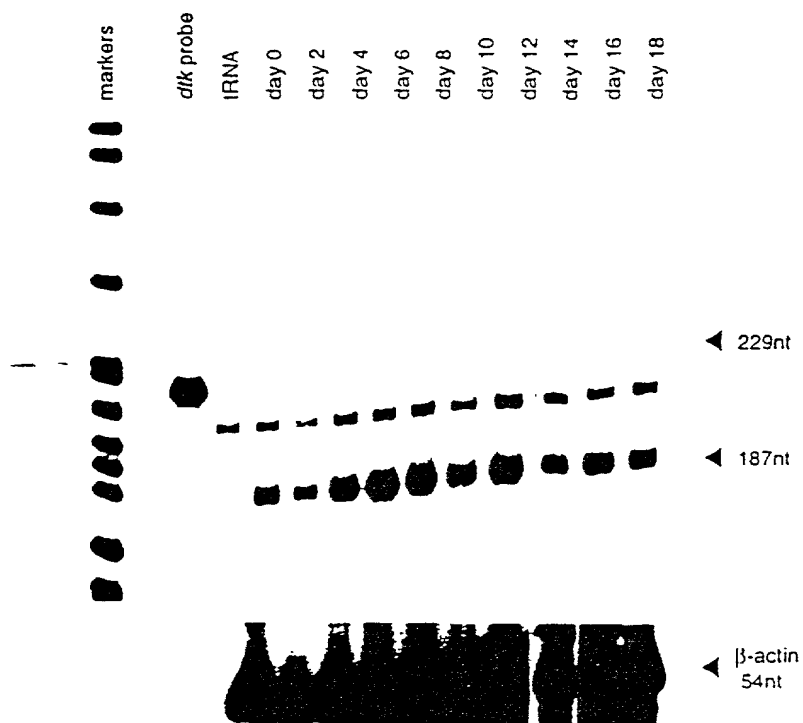
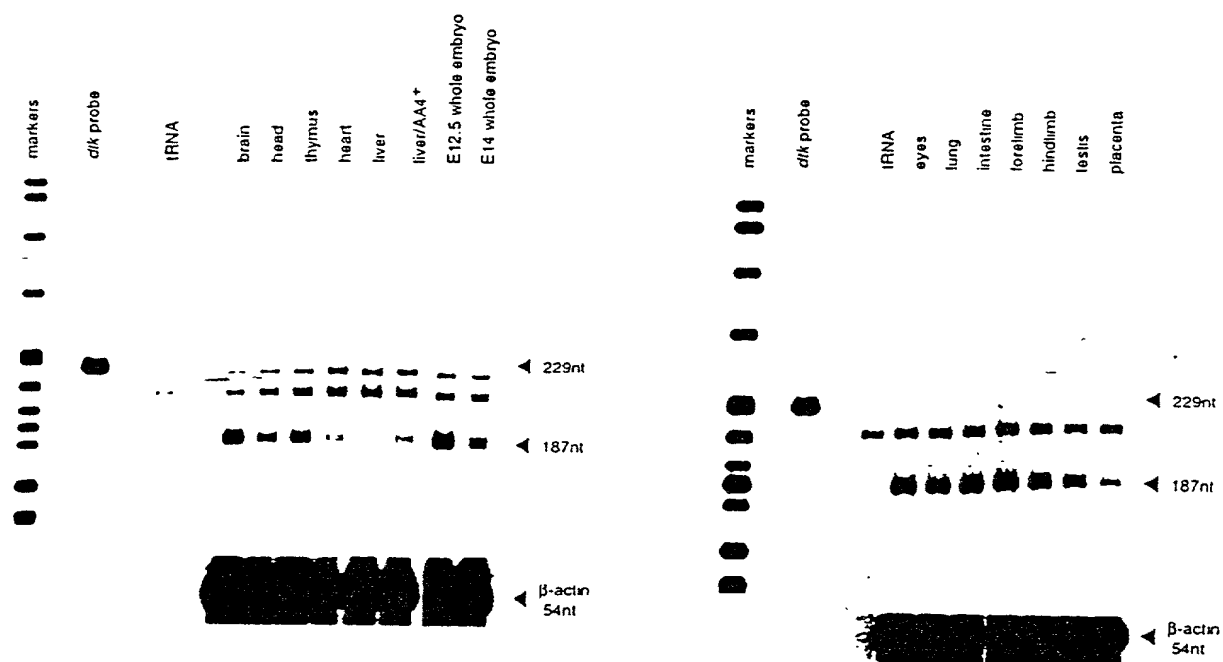
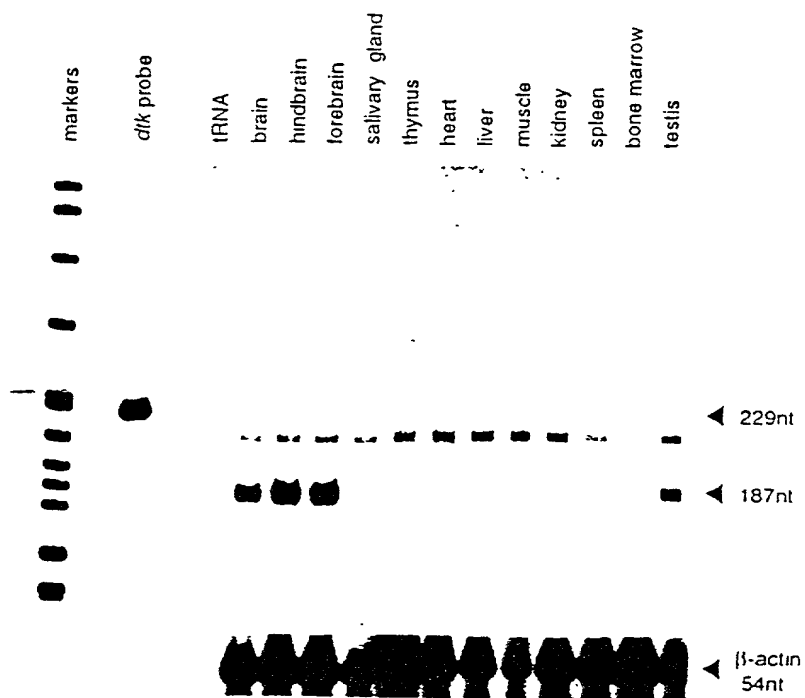


FIG 1

2/9

FIG 2

3/9

FIG 3

4/9

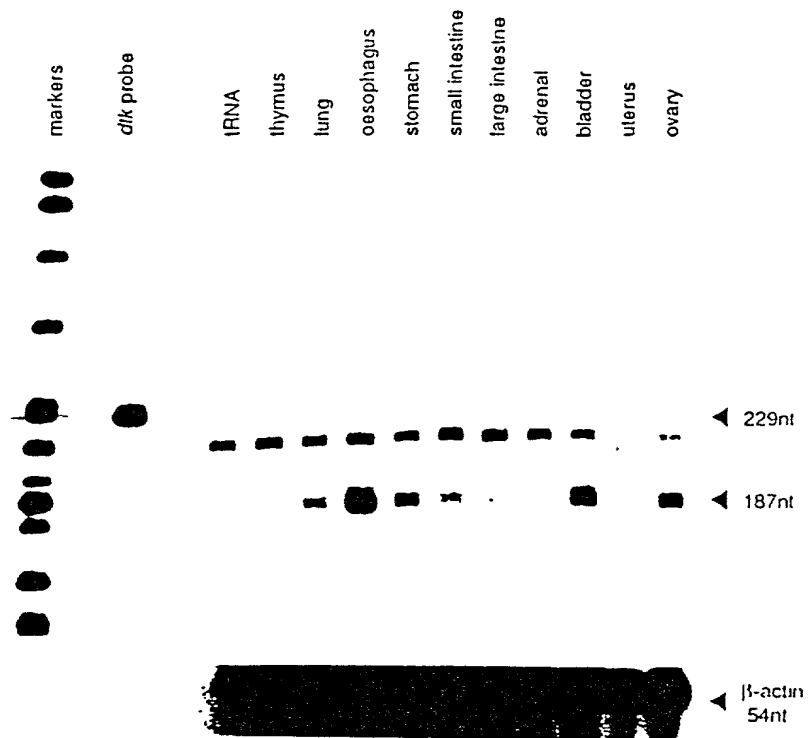


FIG 4

5/9

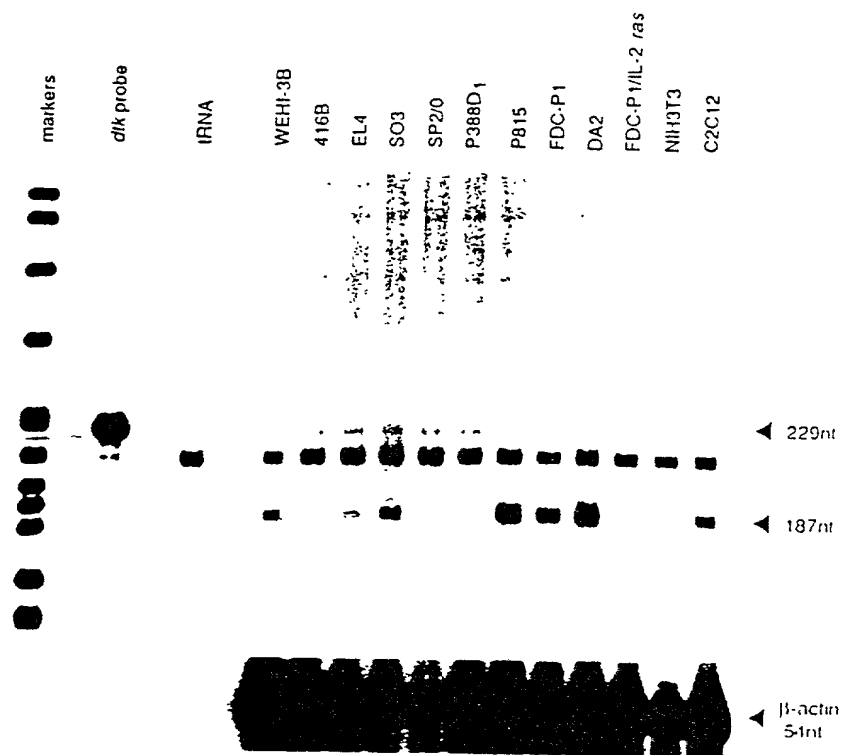


FIG 5

[illegible]

E D G S P V K Y A V K M L K A D I I A S S D I E E F L R E A A C M K 1900
A A G A T G G C T C T C G T G A A A T G T O G C A G T O A A G A T G C T O A A K A C T G A C A T A G A A G A T T C C T C G G A A G C A G C T T G C A T O A A 1900
E F D H P H V A K L V G V S L R S R A K G R L P I P M V I L P F M 2000
G G A T T O A C C A T C C A C A C O T G G C C A A G C T T G T T G G G G T G A G C C T C C G A G C A G G G T A A A G G T G T C T C C C A T T C C C A T G G T C A T C T G C C C T C A T G 2000
K H G D L H A F L L A S R I G E N P F N L P L Q T L V R F M V D I 2100
A A A C A T G G A G A C T T G C A C G C T T T C G C T C G C C T C C G A A T C G G G A G A A C C C T T T A A A C C T G C C C T G C A G C C T G G T T C A T T G T G G A C A T T G 2100
A C G M E Y L S S R N F I H R D L A A R N C M L A E D M T V C V A D 2200
C C T G T G G C A T G O A G T A C C T G A G C T C C G O A A C T T C A T C C A C G A G A C C T A G C A G C T G G A A T T G C A T G C T G G C C O A G G A C A T G A C A G T G T G T G G C T G A 2200
P G L S R K I Y S G D Y Y R Q G C A S K L P V K W L A L E S L A D 2300
T T T T G G A C T C T C G G A A A T C A T A G C G G O A C T A T T A T G C T A G G G T G T G C C T C C A A A T T G C C C G T C A A T G O C T G G C C T G G A G A C T T G G C T G A C 2300
N L Y T V H S b V W A F G V T M W E I M T R G Q T P Y A G I E N A 2400
A C T T O T A T A C T O T A C A G A T G T G G G C C T C G G G T G A C A T G T G G O A G A T C A T G A C T C T G G G C A G A C C C A T A T G C T G G C A T T G A A A A T G C T G 2400
E I Y N Y L I G G N R L K Q P P E C M E F V Y D L M Y Q C W S A D P 2500
A G A T T A C A A C T A C C T C A T C G G G G A A C C G C C T G A A G C A G C C T C C G A G T G C A T G G A G A A G T A T G A T C T A T G T A C C A G T G C T G G A G C C G C G A C C C 2500
K Q R P S F T C L R M E L E N I L G H L S V L S T S Q D P L Y I N 2600
C A A A C A C G C C C A A O C T T C A C O T G T C G O A A T G O A A C T G O A A C A T T C T G G C C A C C T G T G T G C T G T C A C A G C C A G G A C C C T T G T A C A T C A A C 2600
I E R A E Q P T E A S G S P E L H C G E R S S S E A G D Q S G V G A A 2700
A T T O A A O A C T O A G C A G C T A C T A G A G T O G C A G C C T G A G C T O C A C A T G T A G A A G C A T C C A G C A G C A G G A G G A G C A G T G O C A T G G G O C A G 2700
V O G I P S D S R Y I F S P O Q L S E S P Q Q L E Q Q P E S P L N E 2800
T A O T O C A T C C C A O A O A C T C C O T A C A T C T T C A G C C C C G A G O C T A T C O A O T C A C A G G C A C T O A A G A C A G C C A G C C C T C A T A T A 2800
N Q R L L L Q Q G L L P H S S C * 2900
O A L C A A G G C T T G T T G C T G A G C A A O G C T A C T G C C A C A T A G C T G T A A C C C T C A G G C A G A G A A A A T T O G O G C C C C C C C T G C T C T O C T A C C A C T 2900
O T C T G C C T O A C T A G O C C C A G T C A C A C C C A G C A A G A T A T G O A G C C T C C T G T G T A G C C C T C C A A G C T G T G T G C T G C C G C C T G A C G A C C A 3000
A A T T O C C A A T C C C A G T C T T C C T G C A G C C C T G G C A G C T G G C A T C A G T C A G G C T T G G C T T A G A G G A G T A G A C C A G A G C T G G T T G C C T O A A T G 3100
C A G G A G C T G G C A G A G G T G O C T A T G T T T C C A T G G G T A C C A T G G C A T A A G G A G G G T A G C A A C A G C C T G T G G G C C C C T A C C C 3200
T C C T G O C T A G C T C T A C T T A T G T O C A T G C T T G G A G C G C C T G C A C C T G C A C A C T A C A G C A C T T G G G C C G A A A T G C C A G G T T T G C C 3300
C C T C T A A O T C A A A A O A O A T O T C C A T G A T T O T T C C T T T A G T A T G A T T A G A A G G A T T O C A C A C T T O O T F C C T A A O C C C T A T T G O C A O O A A T 3400
G O T G O O A T A T T C T C A G G T G A A T C C T C A T C A T C T T C C T G A T T C C C A C C C T G C A A G G C C T G O A A C T G O C T G T G G G C T C T A O G C A T O C T O A A O G A C A 3500
A A A O A T T A C A O A T C C O A C T T C A A A A G G C A G G T C T G A T C T G G A G G T G O A G G T G C T A A G G G G C T G O C C C A G O A G T C A G G C A T T T C A G O A C C C C T C 3600
C A A O C T T C A O T C T G T G A O C A T G C T A C C A A G C C C C A G A T A C C C C A A A C A A C A G A G C A G T T T G T C T A O G C C A G C C C T C C C A C A T G A T G A C C 3700
C T T A G G T C T A C C C T C C T A A A T G O A C A T C C T C G T T T G T C C C A A G T C T C C A G A G A C T A C T G A T G G T G A T G T G G G T A G A A A A G T T C C A G G A C C A 3800
G G C T G G G G T G G A A C C A G G O C T G G G T C G A G G C A G G C T C T T G G C A G G C T C T T G C T G T T A G G A A C A T T T C T A A G T A A G T T G C T G T T T C A A A A C A A A 3900
T A A A A T T G A A A C A T A A A G (A) P 3919

TAAAAATTGAAACATAAAG(A)_n

FIG 7

CATTTAGATCTTTTACATGAAAGTAAATTTTATAAGATTTCTAGAAAGTCAAAGATGATAACTATTTCTTAGGATACATAAAAGCACTCACATTTATAGAAA 100
 AAAATCAGTTAACTATCTCCACAAACATTTAAAGGCTCCCTATATAAAACATTTTAAATAGCAAGCCACAGAAAGGCAAAATATTAAATAGTTTGCAT 200
 ACATATGTATGAAAGGAAATTTGAACTCTAGATATTTAACAAAGCTTTACAACTCAA AAAATACAAAGAAAATATTTTCTCTCCAAATTTGGCAAAATTACTTA 300
 AACAGAACTTTCACAAAAGAGATAGATGTTTAAATAACATTTTGAAGCCATAATAATGACATCATTTAGCCATGATGGAATGCAAAATTTAAGTACCAC 400
 TTCAATCCACAAAGAAAAGATAAAATAAAAGGACTGAGCTACCAACATTTGGTGAAGATGTTGTAATACTGAATACTTTGTACCGTGTCTCTGAGGG 500
 TATAACATATTTACAGGATTTTTCGAAACTAGTGGTTCTTTATAACTTAATGCTTGAACCTCACACCTATTTACTTAAGAATGAAGGGCCCCCG 600
 CCTCTCCCTCCTCGCTCGCGGGCGGGCCGATGTTGCGGGCTCGCCCGCGATGCGCGTGAAGCGAGCATGGCGGCGCCCGGCTCCCGCGCTGC 700
 L P P P R L L L A E S A A G L K L M G A P V K L T V S Q G
 CGCTGCCCGCCACCGCGCTCGGCTGCTGGCGAGTCCGCCCGCGAGGCTGAAGCTCATGGGAGCCCGGCGTGAAGCTGACAGTGTCTCAGGG 800
 Q P V K L N C S V E G M E E P D I Q W V K D G A V V Q N L D Q L Y
 GCAGCGGTGAAGCTCAACTGCAGTGTGGAGGGATGGAGGAGCTGACATCCAGTGGTGAAGATGGGCTGTGGTCCAGAACTTGGACCACTGTGTAC 900
 I P V S E Q H W I G F L S L K S V E R S D A G R Y W C Q V E D G G E
 ATCCAGTCAAGCAGCAGCACTGGATCGGCTTCTCAGCCTGAGTCACTGAGCGCTCTGACGCCGCGGCTGAGTGGTCCAGGTGAAGATGGGGTG 1000
 T E I S Q P V W L T V E G V P F T V E P K D L A V P P N A P F Q
 AAACGAGATCTCCAGCGAGTGGCTCACGGTGAAGGTGTGCCATTTTTCACAGTGGAGCCAAAGATCTGGCAGTGCCACCCCAATGCCCTTTCCA 1100
 L S C E A V G P P E P V T I V W W R G T T K I G G P A P S P S V L
 ACTGTCTGTGAGGCTGTGGTCCCTGAAACCTGTTACCATGCTGTGTGGAGAGAACTACGAAGATCGGGGACCCGCTCCCTCTCCATCTCTTTA 1200
 N V T G V T Q S T M F S C E A H N L K G L A S S R T A T V H L O A L
 AATGTAAAGGGGTGACAGAGCACTGTTTCTGTGAAGCTCAACAACTAAAGGCTGGGCTCTCTCGACACAGCACTGTCTCACCTTCAAGCA 1300
 P A A P F N I T V T K L S S S N A S V A W M P G A D G R A L L Q S
 TGGCTGCAGCCCCCTTCAACATCACCGTGACAAAGCTTTCCAGCAGCAACGCTAGTGTGGCTGGATGCCAGTGTGATGGCCAGCTCTGCTACAGTC 1400
 C T V Q V T Q A P G G W E V L A V V V P V P P F T C L L R D L V P
 CTGTACAGTTCAAGTACAGGCCCCAGAGGCTGGCAAGTCTGCTGTTGTGCTCCCTGTGCTGCCCCCTTTACCTGCTGCTGCTGCTGCTGCTGCT 1500
 A T N Y S L R V R C A N A L G P S P Y A D W V P F Q T K G L A P A S
 GCCACCACTACAGCTCAGGTTGCGTGTGCCAATGCTTGGGCGCTCTCCCTATGCTGACTGGTGGCTTTCAGACCAAGGCTTAGCCCCAGCA 1600
 A P Q N L H A I R T D S G L I L E W E E V I P E A P L E G P L G P
 GCGCTCCCCAAAGCTCCATCCACAGATTCAGGCTCATCTTGGAGTGGGAAGAGTATCCCGAGGCCCCCTTTGCAAGGCCCTTGGGACC 1700
 Y K L S W V Q D N G T Q D E L T V E G T R A N L T G W D P Q K D L
 CTAGAACTGTCTGGGTTCAAGACAATGGAAACCCAGGATGAGTGAAGTGGAGGGGACCAAGGCCAATTTGACAGCTGGGATCCCCAAAGGACCTG 1800
 I V R V C V S N A V G C G P W S Q P L V V S S H D R A G Q Q G P H
 ATCGTACGTGTGCTCTCCAAATGCAATGGCTGTGGACCTGGAGCTGAGCTGCTCTCTCTCATGACCTGCGGCGCAGCAGGCGCTCTCTC 1900
 S R T S W V P V L G V L T A L V T A A A L A L I L L R K R K E
 ACAGCGCACATCTCTGGTACCTGTGTGCTTAAAGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2000
 T R F G Q A F D S V M A R G E P A V H F R A A R S F N R E R P E R
 GAGCGGTTTGGCAAGCCTTTACAGTGTCTATGGCGCGGAGAGCCAGCTTCACTTCCGCGAGCCCGGCTTCAATCGAGAAAGGCCCGCGCGC 2100

I E A T L D S L G I S D E L K E K L E D V L I P E Q Q F T L G R M L
ATCAGGGCCACATTTGGGACAGCTTGGGCATCAGCATGAACATAAGNAAACTGGAGGATGTGCTCATCCAGAGCAGCATTTACCCCTGGCGCGATGT 2200

G K G E F G S V R E A Q L K Q E D G S F V K V A V K M L K A D I I
TGGCCAAAGGAGAGTTTGGTTCAGTTCGGGAGGCCAGCTGAAGCAAGAGGATGGCTCTTTGTGAAGTGGCTGTGAAGATGCTGAAAGCTGACATCAT 2300

A S S D I E E F L R E A A C M K E F D H P H V A K L V G V S L R S
TGCTCAAGCGACATTTGAAGAGTTCTTCAGGGAAGCAGCTTGACATGAAGGATTTGACCATCCACAGCTGGCCAAACTTTGTTGGGTGAAGCTCCCGGAGC 2400

R A K G R L P I P M V I L P F M K H G D L H A F L L J A S R I G E N P
AGGCTAAAGGCCCTCTCCCATCCCATGGTGCATCTTGCCCTTCATGAAGCATGGGACCTGCATGCCCTTCCTGCTCCGCTCCCGGATTTGGGAGAAACC 2500

F N L P L Q T L I R F M V D I A C G M E Y L S S R N F I H R D L A
CCTTTAACCTACCCCTCCAGACCTGATCCGGTTTCATGGTGACATTTGCCTCGGCATGGAGTACCTGAGCTCTCGGAACCTTCATCCACCGAGACCTGGC 2600

A R N C M L A E D M T V C V A D F G L S R K I Y S G D Y Y R Q G C
TGCTCGGAATTTGCATGCTGGCAGGACATGACATGTGTGTGCTTGCTGACTCTCCCGAAGATCTACAGTGGGACTACTATCTGTCGAAGCTGT 2700

A S K L P V K W L A L E S L A D N L Y T V Q S D V W A F G V T M W E
GCCCTCCAAACTGCTGTCAAGTGGCTGGCAGGCTGGCCGACACCTGTATCTGTGCAAGATGACCTGTGGCGTTCGGGTGACCATGTGGG 2800

I M T R G Q T P Y A G I E N A E I Y N Y L I G G N R L K Q P P E C
AGATCATGACATGGGAGACGCCATATGCTGGCATCGAAACGCTGAGATTTACAACATACCTCATTTGGCGGAACCGCTGAAACAGCCTCCGGAGTG 2900

M E D V Y D L M Y Q C W S A D P K Q R P S F T C L R M E L E N I L
TATGGAGGACGTGTATGATCTCATGTACCAGTGTCTGGAGTGTGACCCCAAGCAGCCCGAGCTTTACTTGTCTGCGAATGGAACTGGAGAACATCTTG 3000

G Q L S V L T S A S Q D P L Y I N I E R A E E P T V G G S L E L P G R
GGCCAGCTGTCTGTCTATCTCCAGCCAGACCCCTTATACATCAACATCGAGAGAGTGAAGAGCCCACTGTGGGAGGACGCTTGAGCTACCTGGCA 3100

D Q P Y S G A G D G S G M G A V G G T P S D C R Y I L T P G G L A
GGGATCAGCCCTACAGTGGGCTGGGATGGCAGTGGCATGGGACAGTGGCTGGCAGTCCCACTGACTGTCTGATACATCTACCCCGGAGGCTGGC 3200

E Q P G Q A E H Q P E S P L N E T Q R L L L L Q O G L L P H S S C
TGAGCAGCCAGGCGACGACAGCAGCCAGAGAGTCCCTCAATGAGACACAGAGCTTTTGCTGCTGCTGACGCAAGGGCTACTGCCACACAGTAGCTGT 3300

•
TJAGCCACAGGCAGAGGCCATCGGGGCCATTTGGCGGCTGTGCTGGCCACTGAGCTGGCTGACTAAGCCCCGTCTGACCCAGCCAGACAGCAAGTG 3400

TGGAGGCTCCTGTGTAGTCTCTCCCAAGCTGTGCTGGGAACCCCGACTGACCAATCACCCCAATCCCAATCTCTCTGCAACCACTCTGTGGCCAGCCT 3500

GGCATCAGTTTAGGCCCTTGGCTTGAATGGAAGTGGGCCAGTCTGCTGTCTGMAACCCAGGCAGCTGGCAGGAGTGGGTGGTTATGTTTCCATGGTTACC 3600

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TCCAGCCTGGTGGCCAGCTATTACACACTTTGGGTAAATATCCAGGTGTGCCCTTCCAAAGGACGCTGCGGAGCCAGCAAGAGGAAAGGGT 3800

TGAGGGTTGGTAAGGGTTGGTATCTCAGGTCTGAATCTTACCATCTTTCTGATTCGCAACCTTGCTTCCAAAGGACGCTGCGGAGCCAGCAAGAGGAAAGGGT 3900

CCTGCAGCTGACCGGTTCACAAAGGCATGCTGAGTACCCAGCTATCAGGTGGCCCTCTTCTCCAAAGGACGCTGCGGAGCCAGCAAGAGGAAAGGGT 4000

GCTGTGAGCTTCCCNAGGACCAAGTGAGGCCGAGAGGAGTTTCAGGAACCTTTCTCCATACCCACATCTGAGCAGCCTACCAATCTCAAAATATCCT 4100

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